

## CLAIMS

1. A high voltage discharge lamp lighting apparatus comprising:  
a rectification circuit having a forward function and a flyback function, disposed on a secondary side of a transformer and receiving a secondary side voltage; and  
a voltage-doubler circuit adding to the secondary side voltage an output voltage generated by the rectification circuit having the forward function and the flyback function.
2. The high voltage discharge lamp lighting apparatus according to claim 1, wherein an inverter circuit and a booster circuit are connected to a rear stage of the voltage-doubler circuit.